Shipping World & Shipbuilder

EDITORIAL INDEX

ShippingWorld & Shipbuilder

EDITORIAL INDEX

January-June 1981 Volume 175 Numbers 3973-3977

ARTI	CL	ES
11100		100

- The freight markets, 1980 in review
- Sale and purchase market, a review Heavy losses, light premiums, insurance
- trends
- Tankers-no place to go but up
- Reuters go to sea
- Loading computers-don't leave home without one
- Training aids for tanker crews
- Chemical carriers from Ishibras 63
- Four product/chemical tankers for Canadian Pacific Advances in breathing apparatus and life-
- jacket design
- Scanning the video horizon 145
- Fresh food freezers from Finland Thinking big on US West Coast
- Two ro/ro vessels for UK/Finland service
- Now the bulbous stern
- Ro/ro vessels and cargo securing

- DIESEL ENGINES, in main propulsion B & W 5L80 GFCA in Danelock B & W/MAN K7SZ 70/125 B in Europa Ishibras Sulzer 5 RLA 56 in Ishibras ships MaK 12 Mu 453 Ak in Berlin MaK 6M 453 Ak in Coral Essberger MaK 6Mu 452 Ak in Norma MAN K8 SZ90/160 B in Frankfurt Express MAN 8L 40/45 in Viking Sally MAN K7 SZ 70/125 BL in Brigitte Jacob MAN K6 SZ 70/125 BL in Srivijaya Mistui B & W 6L67 GFC in Fort Toronto

- 125
- 127
- Mitsui B & W 6L67 GFC in Fort Toronto 179 Nohab, Wärtsilä V12 32A in Kronprin-sessan Victoria
- SEMT Pielstick 8PC 2.5L in Olau Hollandia 243
- Sulzer 6 RND 76 M in Hektor
- SWD TM620 in Ambassador
- SWD in Taklift
- Pielstick 12 PC 2.5V in Finlandia
 Pielstick 12 PC 2.5V in Johnson Chemstar 300
- 31 Wärtsilä Vasa 6R 32 in Repola
- Wärtsilä Vasa 9R32 in Tebo Olympia

EQUIPMENT, articles

- Airless spray, Wima Wagner
- Bulbous stern, Kawasaki 249
- 88 Burn-out warning, Marine Safety Elec-
- tronics CAS 11, Sperry

М١

- 187
- 19
- 307
- Cargo access gear, MacGregor Cleaning gun, Stromme Ships Service A/S Cleaning machine, Harben Systems Collision avoidance system, Norcontrol
- 251 Electrical Connector brackets, Highland Electronics
- 251
- Electrical enclosures, Merlin Gerin Electrical switchboards, Simplex
- 307 Flashback arrestor, Welding Equipment Service Co

- Fuel blender, Dodwell
 Fuel mixing, Kontram
 Fuel quality monitor, Interpower A/S 191
- Gearboxes, Renk 251
- Hydraulic motors, Hagglunds (UK) Inert gas generators, Holec

- Inert gas system, Maritime Protection A/S Lashing systems, Seasafe Transport A/S
- Lifesaving equipment, NSFI
- Loading computers, a review
- 51 Manoeuvring system, Poscon, Helitron A/S
- Marine incinerators, Golar Metall
- Micro-computer systems, K/S Micro Systems A/S
- Navigation equipment, Sperry Marine Nitrogen generator, Gas Services Inter-
- national
- Oil blending system, Dodwell
- Radpak, Kelvin Hughes Safety instruments, A/S Clausen, Kaldager
- & Co.
- Satnav, Racal Decca Security keys, Elkem A/S Trio Ving
- Sewage treatment plant, Drexel
- Ship design computer, Sintrom Electronics Tank gauging system, Saab-Scania 307
- Waste heat boiler, Pyrofabrikken A/S; &
- 251 Wire feed unit, Camarc

- EQUIPMENT, general references Aalborg Vaerft, auxiliary boiler AEG Telefunken, propulsion system AEG, pumps; & 243 Alfa Laval, fuel units Alfa Laval, separators
- 241

- Alvesta AB, cabin framing
- Anschutz, autopilot
- 245 Anschutz, gyro-compass
- 243 Atlas, radars
- AB Brunnshygien, bilge separator Carl Malling, engine room telegraph Daihatsu, diesel generators
- 63
- Decca, navigator; & 299
- Decca, radar
- Denny Brown, stabilisers; & 243
- 243 Deutz, diesel
- 243 DSB. liferafts
- Electrolux, toilet system Escher Wyss, telegraph
- Eskawe, air conditioning plant
- 243 Fr Fassmer & Co, lifeboats
- Fiskars, lifeboats
- Flakt, air conditioning
- Format-Chimie, sewage plant
- Fukushima, windlass 63
- 31
- Frank Mohn, cargo pumps Frank Mohn, oil off-loading equipment
- Frydenbo, steering gear Halon, fire system; & 179
- 34 Hamworthy, sewage treatment plant; & 225
- Hatlapa, pumps HTI, boilers 243
- Huurre Oy, food freezers Hydromath Loadoscope Mk1
- International Paints, SPC antifouling
- Iron A/S, pumps Ishibras/Daihatsu, auxiliary diesels
- Jastram Werke, bow thruster
- 243 Jastram, propellers 241
- Jotun, paints KaMeWa, CP propellers
- KaMeWa, skewed propellers

- 249 Kawasaki, bulbous stern
- Keel Mariners, loading calculator
- Lips, CP propeller
- Stolterfoht, pneumatic Lohmann couplings
- Lohmann & Stolterfoht, reduction gears
- MacGregor, side rolling hatch covers MacGregor, ramps MacGregor, car decks MaK, diesel auxiliaries
- 243
- 241
- Malling, alarms HW Metallbau, wall panelling 239
- Microphor, marine sanitation Mitsubishi, MLC-1600
- Navire, linkspan, cargo gear
 - Newage Engineers, generators Norskov Laursen, hydraulic combination
 - winches
- Norwinch, deck gear Norwinch, mooring gear

- O & K, grab cranes
 Rauma Řepola, oil fired boilers
 Raytheon, log & radar
 Rockwool, insulation
- Ruston Paxman Valenta, diesels
- Sabre Safety, breathing apparatus
- Sekurit, doors
- Selenia, radars Simrad Trading, log Solas Mariner, Mk 5 lifejacket
- Soren T Lyngso, alarm systems
 - Stal, compressors
 - Stork-Kwant, engine telegraph
- Stromberg, shaft alternators; & 43, 179
- Sumitomo/Stal Laval, steam turbine
- Sun Rod, boilers Telesystems, fire detectors
- Tofte & Jorgensen, tank washing machines
- United Marine Electronics, radio
- Valmet, incinerator
- Videotel Marine, video films IGS & COW
- Viking, liferafts Volda Mek Verk, gearing
- 245 Volvo, diesels
- Walport Telmar, video Wärtsilä, Vasa, type 32 diesel engines; 133
- & 179
- Westfalia, compressors 243
- 133 White Gill, bow thrust unit Wilson Walton, incinerators 231

Wynn, wipers

- CONFERENCES & EXHIBITIONS
- Coal-fired ships, New York 1980 Coal-fired ships, New York, proceedings COW/IGS London Nov. 81 271
- Marine fair, Gdansk, April 1982

285 Ro/ro 81, Hamburg

- HEARD ON THE BALTIC
- A crucial time all round The effect of the US miners' strike
- Fluctuating hopes
 - The freight markets in 1980 Grain rates falter

INSURANCE 6 Heavy losses but light premiums

	N	MONTH I	PAGE	s			
		an/Feb	1-96			SHIP	S KEY
			97-15			C	general cargo ship
			53-20			Blk (general cargo ship bulk carrier
			05-26			Cont	container ship
	J	une 2	61-31	2		LPG	liquefied natural gas carrier
						LASH	liquefied petroleum gas carrier
		upplements	and to	eatures		OBO	ore/bulk/oil carrier
Sca	indinavian review			review		0/0	C ore carrier
	January issue	17-43	V	March issue	135-143	Pass	passenger ship
Tar	nkers feature		Heav	y lift review		Ref .	refrigerated cargo ship
	January issue	45-63	F	April issue	162-172	Tkr	oroll on/roll off ship
Nav	vigation & telecomn		Pollu	tion review		VLC	very large crude carrier
	January issue	65-81	1	May issue	218-233		her specialist types normally stated
Fue	el systems		Safet	y at sea		D."	full)
	January issue	83-87		lune issue	273-289	DE.	diesel
We	est Germany					GI.	gas turbine
	March issue	109-128				TE .	turbine
							The state of the s
	COMMENT		199	Denyer, Derek C, I	Butterworth Systems	305	O'Donnell, Kevin, Magnavox
	Amoco Cadiz—the final ar	nswer		UK, pic		305	Osswald, K. H., Anglo Canadian Shipping
	China checked		147	Dockery, C. J., Rayt	heon Marine	91	Osswald, K. H., Anglo Canadian Shipping Parsons, B. W., Stromberg
	Comments on UK marine dinner	scene—RINA	147	Drumm, Hughes D, Evans, John G, Cou	bro & Scrouton	79	Parsons, S, Kelvin Hughes Paterson, C. S., North Sea Ferries
	First marine fair in Polanc	d	91	Ellison, J. E., Stromb	berg		Peck, Les, Charles Winn Valves
262 .	J. Lauritzen success story		91	Eriksson, J. A., Wale	enius	305	Petrausch, Robert J, Sperry Corp
	New publishers for Shipping		285	Esdale, Richard, P & Fielding, S. E., IMC	O. Containers Ctree	305	Pilkington, Sir, Thomas, Ellerman, Harrison Container Line
	Peace breaks out—seamer That sinking feeling—ship		305	Fountaine, Nigel, Ma	agnavox	305	Pottinger, B. M., Anglo Canadian Shipping
262	The sun shone in Oslo		91	Fountaine, Nigel, Ma Gater, C. F., Stromb Gilfillan, J. P., Sund	erg	91	Pullen, John, British Shipbuilders
262	Transport Trust to publish	h book	305	Graham W M	Ellerman, Harrison	77	Quistgaard, E, pic, European Space
			505	Container Line	Literinani, Harrison	91	Agency Reeve, Don, CGM (UK)
	VIEWPOINT Alfredo Laredo—tanker	orderina	305	Grimston, A. D., Ang	do Canadian Shipping	305	Reid, G. B., Ellerman, Harrison Container
	Design for sailing	ordering	305	Haddock, W. H., Ang	lo Canadian Shipping harjah Port Authority	91	Line
	P & O - foreign flag?				o Canadian Shipping	305	Rice-Oxley, James, MNTB Richardson, M. L., Anglo Canadian
			147	Hanemann Jr., Ardi	ey, Lykes Bros.		Shipping
	MARITIME ORGANISA		255 255	Harris, A. R. (Tony)	, R.F.D. Inflatables rence Scott & Electro-	199	Robinson, Michael C, British Shipbuilders,
	Burness Corlett & Partne design	rs, patrol vessel	233	motors	rence Scott & Electro-	147	Rogers, Tony, Charles Winn (Valves)
	Det norske Veritas		305	Henriksson, Torsten		305	Saleh, Mohammed, Sharjah Port Authority
	IMCO in 1981		199	Hunton, Michael, C	harente Steamship	305	Salisbury, Philip, Bulkships
	IMCO, MARPOL legislat IMCO, safety	ion		Ilian, Ronald, BP Sh Ilves, Rauno, Valme	t Ov	91	Schiff, Adolf, Dipl Ing, M.A.N. Scott, Sir David, Ellerman Lines Ltd
	IMCO, telecommunication	ns proposals	255	Jackson, K. C., Laur	rence Scott & Electro-	305	Scott, P. C., AFA-Minerva
154	Liberian Govt. Marine		298	motors		255	Scott, P. C., AFA-Minerva Schwarz, K. K., Mining Supplier Ltd
227	Cadiz Enquiry Lloyd's Register, guidance	ce notes for oil		Ltd	o & Scrouton (M & I)	83 91	Selby, H. R., Hart Fenton & Co Shadwell, Ted, Stork Diesel
	recovery vessels	ce notes for on	91	Jensen, Ore, Maersk		91	Shields, L. C., Stromberg
28	Swedish Maritime Researc	h Centre (SSPA)	305		Ellerman, Harrison	305	Sighera Goran Avel Johnson Group
279	UK Coastguard, new stat	ion	199	Container Line Johnson, C. D., Chi	arente Steamship	283	Srivastava, C. P., pic, IMCO Stenberg, Jan, Trans Consultants AB
	SALE & PURCHASE		85	Johnson, Harold, D	etroit Stokers	199	
	Eastern promise in bulk		199		Kaminco Overseas		Swan-Taylor, Brian, P & O
	Listing		149	Shipowners	menis, Union of Greek	199	
	Listing Listing			Kershaw, John, Jan		199	Syrdahl, Per J, Texaco Ltd Taurance, Christine, P & O
258	Listing		91	Kimberley, Iain, Ell	erman	91	Trim, Richard, Racal-Decca
310	Listing		91 91	King, G. A. B., BP Koch, A. G. M.	Snipping Ltd		Voisard, Otto, M.A.N.
	YARD BUSINESS		305	Koskinen, Maire, V.		255	Wardley, T, Laurence Scott & Electro- motors
	Listing		305	Koskiverta, Veikko,	Valmet Oy	137	Watson, D. G. M., Y-ARD Ltd
	Listing		199	Krook, Ebbe, Kock	ums Bethlehem Steel Corp	199	
	Listing Listing		99	Laredo, Alfredo, Ch	antiers de L'Atlantique	147	Yule, David, pic, Camrex Ltd Zinner, Prof. Dr. E. H. Karl, M.A.N.
	Listing		91	Leaver, John A, Ple	enty Mirrlees	.47	
			305	Lloyd, Alastair, Elle tainer Line	erman, Harrison Con-	100	SHIPOWNERS
305	PEOPLE Al-Diwani, Abdulwahas	Shariah Port	147	Longden, Paul, Mel	ton Shipping	155	
	Authority		77	Lundberg, Olaf, pic	INMARSAT	63	Canadian Pacific (Bermuda), Bermuda
	Allen, H, Lloyd's Registe		91	Maybourne, Ralph, McCarthy, W. G., 1		163	
91 91	Amphlett Laris, Alan, El Archer, C, Lloyds Regist		255			21 247	
147		r Line	255	McPhee, Alex, pic,	Camrex Ltd	18	Helge R, Meyer A/S, Norway
305	Bassham, Kenneth, Micro	ophor	255	Midwinter, Derek, p	pic, Nulectrohms Ltd	169	Jumbo Shipping, Switzerland
	Bateman, Sandra, Magna Brown, Albert, Coubro &		147	Mijutani, Kinji, IHI Morris, Len, Stothe	rt & Pitt		Mammoet, Neth Merivienti Oy, Fin
	Brydon, D. A., Laurence			Mortimore, C. R., I	aurence Scott &	18	K/S A/S Nordsjogas, Norway
	motors			Electromotors		228	Olau Line/T.T. Line, Den
199 137		DS	199	Nelson, W. L. (L. Systems UK	ynn), Butterworth		Ove Skou A/S, Den Petrobras, Brazil
199				Niini, Mikko, Valm		245	Oy Saimaa Lines, Fin
	Curtis, Captain, M. J.,		s 147	Nirao, Nansuke, IH	I	172	Sea Traders S.A.
147	Handling Davis, J. G., Kleinwort	Renson	199 199			175 28	
	Delavan, R. J., Drew Ch		45				Smit, Neth
	, , 01						

- 34 Suomen Petrooli Oy, Finland 21 Swedish Coast Guard, Swe 23 Turnville Shipping Ltd, Monrovia 221
- 23 63 Universal Petroleum Carrier Inc

SHIPBUILDERS

- 21 23

- SHIPBUILDERS
 Aalborg Vaerft, Den
 Burmeister & Wain, Den; & 183
 Busumer Werft, F.D.R.
 Bremer Vulkan, F.D.R.
 Chantiers de L'Atlantique, France
 Deutsche Industrie Werke, F.D.R. 99
- 121 Flender Werft, F.D.R.
- 28 Gotaverken, Arendal, Sweden; & 175 17 Haugesund Mek. Verk, Nor 110 Howaldtswerke Deutsche Werft, F.D.R.; & 115
- Ishibras, Brazil Jos L. Meyer, F.D.R. Kawasaki, Japan Kockums AB, Swe 121
- 249
- 18
- 63
- Kockums AB, Swe Moss Rosenberg, Nor Nippon Kokan, Tsu, Japan Orenstein & Koppel, F.D.R. Rauma Repola, Finland; & 247 Sawayasu, Osaka, Japan Schiftswerft Evers, F.D.R. Schlichting Werft, F.D.R. Thyssen Nordseewerke, F.D.R. 245
- 63
- 127 115
- Uddevallavarvet, Swe

- 172 Verolme Husden, Neth 33 Wärtsilä, Fin.; & 293 128 Werft Nobiskrug, F.D.R. 115 A.G. Weser, F.D.R.; & 238

SHIP DESCRIPTIONS

- 23
- Danelock, Den, BC, D 'Finlandia', Finnish, ferry, D
- Hektor, Nor, LPG, D
- 28 Kronprinsessan Victoria, Swe, ferry, pass, D; & 175
- 238 'Olau Hollandia', German, ferry, D
- 245
- 245 'Repola', Finnish, cargo, D
 63 Seawise Giant, Liberia, ULCC, T
 34 Teho Olympia, Finnish, Products tr, D

SCANDINAVIAN REVIEW

- Norway diversify to survive Refined manoeuvring control system 'Hektor', Moss Verft LPG carrier
- 19 Fuel saving, Pyrofabrikken A/S waste heat boiler
- 19 Maxi-Gun, more powerful, cleaning gun,
- Stromme Ships Service A/S
- Denmark no government help Many ship sizes at Aalborg
- 27 27 Sweden—fighting for survival Uddevallavarvet continue to build tankers
- Ferries for Gotaverken, Arendal
- 31
- Kockums continue to fight Finland—a continuing success story Wärtsilä received orders for seven river 33
- icebreakers
- Tebo Olympia, 115 000 dwt products
- carrier for Finnish owners
- 39 Navire deliver linkspan to Oslo, cargo gear to Finnrose
- 43
- Diversification in electrical equipment by Stromberg

TANKERS FEATURE No place to go but up Reuters go to sea

- Loading computers don't leave home without one
- Training aids to tanker crews
- Chemical carrier deliveries from Ishibsras Seawise Giant
- Four products/chemical tankers for Canadian Pacific

- NAVIGATION & TELECOMMUNI-
- **CATION FEATURE**
- Introductory article Racal Decca, all British Satnav advance
- IMCO emergency telecommunications-
- draft proposal Radpak- Kelvin Hughes bid to stay in 79
- the market 81 Large orders for Sperry

FUEL SYSTEMS FEATURE Introductory article Towards the one fuel ship

- 83

- Carburating coal Two classes of fuel blender

WEST GERMAN REVIEW

- 109 Introduction
- Container ships at HDW and Thyssen
- 115
- The return of the passenger trade Progress at Papenburg: J. L. Meyer 121
- Building to German account at Flender 121 Werft
- 125 Orenstein & Koppel: Specialist output Four into one at Harmstorf
- Sophisticated tonnage from Werft Nobis-128
- Martin Jansen: heavy lift and other 128 specialised ships

NAVAL CONSTRUCTION REVIEW

- Introduction
- Factors in frigate design into the eighties by D.G.M. Watson & P.D.S. Coppleston— Y-ARD Ltd
- 'Sentinel', multi purpose hull with long-143 loiter machinery

HEAVY LIFT REVIEW

- 162 More cargo around, and specialists set to
 - get it Enship expect to stay busy
- Mammoet in new alliances
- 167 Semi-submersibles order books have
- grown Jumbo feeling the benefit of size 169
- New sheerlegs on the way for Smit

172 Hansa ships back to work again

- POLLUTION REVIEW
- More co-operation please LPG success for off-loading techniques
- New vessels for Sweden 221
- Hamworthy progress 227 Lloyd's Register produce guidance notes
- for oil recovery vessels Terminal and tankers co-operation guide from the Oil Companies International
- Maritime Forum New marine incinerator
- 233 A simple sewage treatment from California233 Swedish two stage bilge separator

SAFETY REVIEW

- 273 Sinking ship—better communications required
- 279 A new coastguard centre for the east coast UK
- Ro/ro safety, J. Stenberg
- 285 Ro/ro safety, a main topic at ro/ro conference
- 289
- Ro/ro vessels and cargo securing, P. D. James MacGregor at ro/ro 81.
- Compressed air breathing apparatus,
- Sabre Safety Ltd 88 Mariner Mk 5 lifejacket, Sabre Safety

Shipping World & Shipbuilder

EDITORIAL INDEX

EDITORIAL INDEX

July - December 1981 Volume 176 Numbers 3978-3982

	A RTICLES	40.0			
317	ARTICLES Coal and fraud	487	Skelton Equipment International, wire		MARITIME ORGANISATIONS
319		844	rope lubricator		A & P Appledore
	Italcantieri building coal-fired bulkcarriers	566	Vosper Thornycroft, warship machinery		British Ship Research Association
351			control system		ICHCA
331	Belfast offer large BCs in diesel or		FOURNIENT		Shipping Research Services
	coal-fired configuration		EQUIPMENT, general references		The Swedish Club
389	New crude washing advisory service	559	Ameron BV, RTR pipe	407	Trinity House
402		559	Hydroland, propulsion units	430	Y-ARD
450		559	Lucas Bryce, fuel injectors		
	Port of Felixstowe—potentially UKs	561	Napier, turbochargers		YARD BUSINESS
432		561	Navidyne, satellite navigator	403	Comment & listing
455	largest container port	563	Regulateurs Europa, control equipment	493	
433	Linkspan for Isle of Man, Navire deliver	565	Schottel Nederland, propulsion units	574	
462	ro/ro facility	565	Stork Werkspor Diesel, diesel engines	654	
457				706	
473			TRADE		PEOPLE
475		569	Animal transport advisory service	491	Agnew, John H, ICHCA
540		489	BBS & CTI sign container lease contract	406	Atkinson, R. British Shipbuilders
610	increase in first six months of 1981	569	Brostrom, new Middle East service	597	Bejger, Stanislaw, Office for Maritim
542	commendation of the commen	569	Ellerman Lines, interim results		Economy, Poland
	gas energy on ships with MaK engines, by	569	Ensecote (Holdings) Ltd, industrial	571	Brauner, Alan, Midland Bank
	N. Weicholt		coatings group formed	491	Bryce, Douglas, Shetland Line
643		651	Interlichter first years service	401	Carter, Eric, Municourt Northern
643	S	489	Kongsberg Vapenfabrikk, open new UK	401	Chu, C. Y., Evergreen Line
	the future		office	649	Clugston, David, Powell Duffryn
687	Daewoo—Okpo commissioned	489	Latin American Oil Show, Venezuela	406	Cooke, V. A., Formerly H & W
689		651	Marine Representation move office	704	Coutinho, Fernando Matos, Setenave
695		651	OCL enters Australia - Middle East trade	649	Davis, J. G., Kleinwort Benson
700		569	Perolin sign agency with COSCO	649	Diamant, Thomas, J. J. McMullen, pic
	Taylor	207	Shanghai	649	Dodd, G. H. (Gordon) British
		489	Ro/ro ports study	049	Shipbuilders
	DIESEL ENGINES, in main propulsion	651	Schottel and Lips to co-operate	649	Dorey, A. H. (Tony), British Shipbuilder
641	General Motors 16-645 E in 'Andrew J	489			
	Barberi'	569	Sea Containers, name change Sperry opens new facility in Ontario	649 465	Drewett, D. G., Powell Duffryn
337	GMT CC 600 in 'Marigola'	489			Drohse, Gustav, Barge Systems
447		407	Stewarts Offshore Serviceew Irish joint venture	491	Durell, Philip, Walton Container
	'Madame Butterfly'		venture	571	Terminal
637	IHI Pielstick 12PC 2.5 V in 'New Katsura'		HEARD ON THE BALTIC	649	Ellis, Christopher, Midland Bank
445		573	Boom follows bust	-	Franks, Ken, AECL
369		319	Freight markets, six month review	630	Garnett, Mike, Intnl Tanker Owner
	'Contender Argent'	492	Russian grain crop and Far East markets	640	Pollution Fed, pic
475	MAN K7 SZ 70/125B in 'Europa'		cause interest	649	George, J. W., Powell Duffryn
370	MAN V52/55 in 'Anatoliy Vasilov'	635	Steady at low levels	315	Goodrich, David, BSRA
	the state of the s	705	No spectacular improvement	401	Greenland, Bob, Viking Life Saving
	EQUIPMENT, articles		COMMENT	649	Grisley, E. J. (Terry), British Shipbuilder
487	Adamson Butterly, terminal tractor	498	Certify the gear, certify the man?	704	Hinely, Richard, Container Transpo
459	Allied Water Corporation, desalination	578	Brazilian orders for BS	491	Intal
402	plant	406	BS reduces losses		Hirt, Capt Ernie, Uiterwyk Corp
399		658		571	Hogg, Bill, Port of Liverpool
487		578		423	Hong, In-Kie, Daewoo, pic
	machines	406	Harland & Wolff cut losses by £11 million	571	Horn, Frank, Interocean Stevedoring
487		406	IME 82 attracts early national stands	491	Hunter, William G., Oakland Port
401	test unit	314		491	lles, Peter, Tor Agencies
566	Graviner, oil mist detector	314		601	Kierkowski, Hubert, Poland
646		314		423	Kim, Woo-Chong, Daewoo, pic
0.10	systems	.714	Steady growth of gas fieet	649	Knight, George H., J. J. McMullen, pie
566			VIEWBOINT	704	Kuenzel, William R. Megasystems Inc
487	District to bis min, miller	400	VIEWPOINT	571	Lawler, James, ABS
407	control systems	499		571	Ley, Christopher, Midland Bank
566		315		401	Lin, Capt Y. T., Evergreen Lines
399		407		491	Llewellyn, David, Cape Industries
377	separator	659		649	Lloyd, Richard, Powell Duffryn
	o-parator	579	Must we go on killing these animals?	571	Lykes, Joseph T., Lykes Bros &

		MONTH	PA	GES				
		July/August		3-404				
		Sept	40	5-496		S	HIPS KEY	
		Oct	407 570			Č	lk C bulk carrier general cargo ship	
		Nov		7-656		8	lk C bulk carrier	
		Dec		7-708		C	ont container ship NGliquefied natural gas carrier	
	e.	upplements a	-			L	PG liquefied patroleum gas carrier	
Die		appiements a				L	ASH lighter abroad ship	
	sel Feature			nelux area survey		U	BU ore/ bulk/ oil carrier	
	uly issue	330-351		october issue	549-565	C	/OC ore carrier	
	shipbuilding feature		Pollution feature			P	ass passenger ship	
July issue 352-365		352-365	November issue 615-631			H	et retrigerated cargo ship	
	rigation feature		Polish IME 82 preview			Ro/roroll on/roll off ship Tkrtanker		
July issue 375-389			November issue 587-609			V	LCC very large crude carrier	
Daewoo Okpo yard feature		ture	Safety at sea feature			(other specialist types normally stated in full)		
S	eptember issue	432-436		ecember issue	673-686	D	diesel	
Dar	nish area survey		We	st Germany feature		L	Ediesel-electric	
S	eptember issue	461-471		ecember issue	662-671	- C	T gas turbine turbine	
Far	East area survey					Ť	E turbo-electric	
0	ctober issue	515-538						
571	Macnab, Colin T., Forth I	Ports, pic	641	Equitable Shipyards, USA		341	A further MaK Licence for UBE	
704	Marques, Manuel Fernand		538	Far East Levingston, Singa		341	A further Mak Licence for UBE	
491	Mattock, Robert B, John S		351	Harland & Wolff, UK				
571 401	Marshall, Bruce, Kleinwor McFarlane, R. G. ICHCA		344	Italcantieri, Italy		612	FAR EAST REVIEW	
491	McKaine, Tom, Cape Indi		447 637	Kockums Ab, Swe Naiki Zosen, Japan		513 515	Introduction Hyundai Heavy Industries	
450	McKelvey, Paul		439	Smith's Dock Co Ltd, UK		517	Diesel Engine manufacture at Hyundai	
491	Mellgren, Rooney, Scandu		368	SpA Cantieri Navale, Italy		519	Expansion at Samsung	
649 315	Melvin H. W. (Hugh) Britis	sh Shipbuilders	370	Valmet Oy, Finland and 3	71,561	523	Korea Shipbuilding and Engineering	
571	Morrison, James, BSRA Norfolk, John, Port of Liv	vernool		GIUD DESCRIPTIONS		523	Corp. Shipbuilding in Singapore	
491	Norman, John, Ellerman		370	SHIP DESCRIPTIONS Anatoliy Vasiley, USSR, r	o/ro D	525	Two new harbour craft from Chung Wah	
571	O'Green, Fred, Litton Ind		641	Andrew J. Barberi, Ferry,		529	'Frances Bay' largest vessel built by Selco	
401	Pao, Sir Yue-Kong, World	d-Wide	371	Baltiyskiy, USSR, Trainin		529	Wartsila starts diesel production in	
649	Shipping, pic Pardoe, James, British Shi	inhuilders	463	Baumare BC,D		531	Singapore	
452	Parker, Geoffrey, Port of		617 368	Cleansesa I, oil spill vessel Contender Argent, UK, G		331	Shipbuilding has high priority in China's national economy by Wang Pei	
704	Passenier, Willem D., Mai		439	Geesthay, UK, reefer, D	en cargo, D	538	The offshore structure industry in	
315	Patterson, David, BSRA		447	Madame Butterfly, Swe, ve	hicle carrier, D		Singapore	
649 531	Peacock, Len, British Ship Pei, Wang, China Feature		337 Marigola, chemical, D					
401	Petzing, Steve, Marine Pu		365 Muree, gen cargo, Pakistan, D 637 New Katsura, ferry, D 525 Tai Shun,				FERRIES FEATURE	
Itnl., pic			637 New Katsura, ferry, D 525 Tai Shun, fishing vessel, HK, D			633		
587 Pup, Stefan, CTO Marine Tech Centre			625 Valayre, anti-pollution vessel, D			635	'Finnjet' to be converted 'New Katsura', ferry from Hitachi Zosen	
649	Potter R. J. (Dick), British Richardson, W. (Bill) British					637	Railway ferry from Palermo	
617	Roberts, William, Sigma		BENELUX FEATURE 549 Struggling to survive			641	'Andrew J. Barberi', Staten Island/	
	Systems		550	Tankcleaning in Rotterdar	n		Manhattan ferry	
401	Schultz, Goran, Atlantica	Insurance, pic	550	Towing activities of Smit				
401 491	Shears, Dick, Ellerman Slater, Sidney, Coles Cran	an min	550	Smit Tak take delivery o	f new floating	479	GASTECH REVIEW	
571	Sutton, John H. D., Forth		553	crane	ana!	481	Gastech 81 Moss Rosenberg Vaerft at Gastech	
579	Taylor, George, Anitrans		555	Busy time for 'Dock Expre Anglo-Belgian back in bus		481	Liquid Gas Equipment	
649	Thomas, W. B., Powell D		559	Europort 81		483	Bestobell Valves Ltd	
571 649	Thornton, Charles B., Litt Thorpe, Richard W. J. J.					483	Gas turbines for petroleum gas liquefaction	
649	Usher P. J. (Peter) British	ma 1 a 10 a	422	DAEWOO-OKPO YAR	D FEATURE	483	Liquefied gas ship rules revised	
330	Voisard, O, MAN		423 424	Introduction Korea's newest and large	st shipbuilding		1 Sur surp . area revised	
542	Weicholt, N, MaK		724	complex	. ampounding		NAVIGATION & TELECOMMUNI-	
401 571	Welvaart, Jaap, Scandutch		427	Modern facilities for mode			CATION FEATURE	
649	Wilkie, Andrew, Seaforth Willems, Gerard, Ships		433	A & P Appledore help des	sign the yard	375	The new Racal-Decca set up	
	pic	- Contract	434	Ships on order		377 379	New radar service from Krupp New channel navigation module	
649	Wilson, David, British Sh			DANISH FEATURE		379	SatNav from Tracor	
407	Wingate, Captain Miles,	Trinity House	461	Shipyard still very busy		383	Redifon name change	
	SHIPOWNERS		465	BCV systems potential no		385	Orders for Marconi	
439	Geest Industries Ltd. UK		465	J. Lauritzen semi-annual r		385 389	Navidyne introduces the ESZ 8000 New design features for weather chart	
637	Maritime Credit, Japan		400	Odense busy with order Moller	s from A. P.	309	recorder	
637	Osaka Kochi Tokkyu Fer		467		ssenger vessels	389	Thermal imaging	
365		ng Corp,		from Aalborg Vaerft				
371	Pakistan River Fleet Ministry, USS	SR	471	B&W Alpha exhibit to the	fishing industry		POLISH IME 82 FEATURE	
368	Sea Containers, UK			DIESEL ENGINE PEAT	HDE	587		
370	Soviet Union Owners, US	SSR	330	DIESEL ENGINE FEAT MAN—B&W Diesel Gmb		597	Pup An interview with Stanislaw Bejger, head	
447	Wallenius Lines, Swe		230	parents give birth to fully		39/	of office for Maritime Economy	
	CHIDDIIII DEDC		334	Sulzer cut fuel bills in servi		601	Poland's trade with Western Europe in	
637	SHIPBUILDERS Cantieri Navali Riuniti, It		220	injection timing	or MTU disease	***	marine equipment by Hubert Kierkowski	
334	Chantiers de L'Atlantique		335 337		cc 600	608	Shipbuilding in Bulgaria—steady expan-	
531	China Shipbuilders, Chin	a	339			609	sion continues Comecon yards busy with a wide variety of	
351	Cockerill Hoboken, Belgi	um	341				ships on order	

POLLUTION FEATURE

- On the decrease but still a long way to go 'Cleanseas 1'—open for charter 615
- 617
- Shipboard pollution control 617
- Oil Pollution control vessel for Sullom Voe
- 625
- Reel Bottom unit Mark II An interview with Mike Garnett, technical 630 manager, International Tanker Owners Pollution Federation
- Recovery vessels from Oy Kontram 457

- 673
- SAFETY AT SEA
 A review of current developments
 How effective are traffic separations
 Traffic separation scheme 675
- Float-off lifesaving appliances
- Norway's positive approach to ship safety Totally enclosed lifeboats included in 681 683 draft amendments to required lifesaving appliances Coastguard service stream
- lining More ports use computerised radar traffic surveillance
- 686 Safety equipment

Μŀ

TOWAGE & SALVAGE FEATURE

- 393 The Salvage Association activities continue to expand
- Tsavliris acquires supertug
- 397 The Falmouth Towage Co. Ltd 397 Salvors give qualified support to CMI draft convention

U.K. SHIPBUILDING

- State of the yards
- 355 Government and international market
- trends affect the future 357 The engine builders
- BS fight for orders on an international market even when dealing with UK Shipowners
- 365 First SD18 to be delivered by Austins & Pickersgill

WEST GERMANY

- 662 A little brighter 'Europa' nearly ready
 663 Orenstein & Koppel busy again A series of
 LPG carriers from Jos L Meyer
 665 Busy time at A.G. 'Weser' New icebreaking technology from Thyssens
 Norseewerke
- 668 Another cruise vessel from HDW 671 'Frankfurt Express'—world's largest capacity container vessel

